

| | Type | Hits | Search Text | DBs | Time Stamp | Corr mm en ts | Er ro r De fi ni ti on | Er ro rs |
|---|---------|------|---|--------------------|---------------------|------------------------|---|----------------|
| 1 | BR S | 2515 | substrat\$2 same align\$5 same marks | USPAT; US-PGPUB | 2003/08/25 16:38 | | | 0 |
| 2 | BR S | 3819 | (photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks | USPAT; US-PGPUB | 2003/08/25 16:44 | | | 0 |
| 3 | BR S | 4442 | ferrul\$2 same fiber\$1 | USPAT; US-PGPUB | 2003/08/25 16:43 | | | 0 |
| 4 | BR S | 1945 | (photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1 | USPAT; US-PGPUB | 2003/08/25 16:45 | | | 0 |
| 5 | BR S | 11 | ((substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | USPAT; US-PGPUB | 2004/04/14 12:12 | | | 0 |
| 6 | BR S | 3848 | ferrule\$1 same align\$5 | USPAT; US-PGPUB | 2003/08/25 16:46 | | | 0 |
| 7 | BR S | 9 | ((substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) and (ferrule\$1 same align\$5) | USPAT; US-PGPUB | 2004/08/24 11:05 | | | 0 |
| 8 | BR S | 0 | "3448432000" "344843/2000" "344843-2000" | JPO; DERWENT | 2003/08/25 16:59 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|----|---------|------|--|--------------------|---------------------|----------|------------------|--------|
| 9 | BR S | 0 | "3448432000" "344843/2000" ("344843" adj1 "2000") | JPO; DERWENT | 2003/08/25 16:59 | | | 0 |
| 10 | BR S | 0 | "3448432000" "344843/2000" ("3448432000") | JPO; DERWENT | 2003/08/25 17:02 | | | 0 |
| 11 | BR S | 3 | "11290130" "2000-251301" | JPO; DERWENT | 2003/08/25 17:06 | | | 0 |
| 12 | BR S | 1 | "11-290130" "2000-251301" | JPO; DERWENT | 2003/08/25 17:13 | | | 0 |
| 13 | BR S | 3 | "2000344843" "2000-344843" | JPO; DERWENT | 2003/08/25 17:14 | | | 0 |
| 14 | BR S | 2 | ((substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) not (((substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 | USPAT; US-PGPUB | 2003/08/25 17:24 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|----|---------|------|---|-------------------|------------------|----------|------------------|--------|
| 15 | BR S | 0 | (substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | EPO; JPO; DERWENT | 2003/08/25 18:03 | | | 0 |
| 16 | BR S | 1 | (substrat\$2 same align\$5 same mark\$4) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same mark\$4) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | EPO; JPO; DERWENT | 2003/08/25 18:09 | | | 0 |
| 17 | BR S | 15 | (substrat\$2 same align\$5 same mark\$4) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same mark\$4) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | USPAT; US-PGPUB | 2003/08/25 18:21 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|----|---------|------|--|--------------------|---------------------|----------|------------------|--------|
| 18 | BR S | 9 | ((substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) and (ferrule\$1 same align\$5) | USPAT; US-PGPUB | 2003/08/25 18:07 | | | 0 |
| 19 | BR S | 12 | ((substrat\$2 same align\$5 same mark\$4) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same mark\$4) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) and (ferrule\$1 same align\$5) | USPAT; US-PGPUB | 2003/08/26 13:11 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Corr mm en ts | Er ro r De fi ni ti on | Er ro rs |
|----|---------|------|---|--------------------|---------------------|------------------------|---|----------------|
| 20 | BR S | 3 | (((substrat\$2 same align\$5 same mark\$4) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same mark\$4) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) and (ferrule\$1 same align\$5)) not (((substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light | USPAT; US-PGPUB | 2003/08/25 18:09 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Corr mm en ts | Er ro r De fi ni tion | Er ro rs |
|----|---------|-------|--|----------------------|---------------------|------------------------|---|----------------|
| 21 | BR S | 5 | ((substrat\$2 same align\$5 same mark\$4) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same mark\$4) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) not (((substrat\$2 same align\$5 same mark\$4) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same mark\$4) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 | USPAT; US-PGPUB | 2003/08/25 18:18 | | | 0 |
| 22 | BR S | 0 | 1999wo-jp11290130.ap,prai. | EPO; JPO; DERWENT | 2003/08/26 11:32 | | | 0 |
| 23 | BR S | 0 | 1999wo-jp290130.ap,prai. | EPO; JPO; DERWENT | 2003/08/26 11:29 | | | 0 |
| 24 | BR S | 0 | 2000wo-jp251301.ap,prai. | EPO; JPO; DERWENT | 2003/08/26 11:31 | | | 0 |
| 25 | BR S | 0 | 2000wo-jp251301.ap,prai, | EPO; JPO; DERWENT | 2003/08/26 12:47 | | | 0 |
| 26 | BR S | 0 | 1999wo-jp11290130.ap,prai, | EPO; JPO; DERWENT | 2003/08/26 11:30 | | | 0 |
| 27 | BR S | 0 | jp251301.ap,prai. | EPO; JPO; DERWENT | 2003/08/26 11:31 | | | 0 |
| 28 | BR S | 0 | jp11290130.ap,prai. | EPO; JPO; DERWENT | 2003/08/26 11:31 | | | 0 |
| 29 | BR S | 0 | 2000wo-jp11290130.ap,prai. | EPO; JPO; DERWENT | 2003/08/26 11:37 | | | 0 |
| 30 | BR S | 45573 | ishii.in. | EPO; JPO; DERWENT | 2003/08/26 11:38 | | | 0 |
| 31 | BR S | 43428 | ishii.in. | JPO; DERWENT | 2003/08/26 11:38 | | | 0 |
| 32 | BR S | 2361 | (optical adj1 module).ti. | JPO; DERWENT | 2003/08/26 11:39 | | | 0 |
| 33 | BR S | 17 | ishii.in. and ((optical adj1 module).ti.) | JPO; DERWENT | 2003/08/26 11:39 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Com mm en ts | Er ro r De fi ni ti on | Er ro rs |
|----|---------|------|--|--------------------|---------------------|-----------------------|---|----------------|
| 34 | BR S | 5 | (ishii.in. and ((optical adj1 module).ti.)) and nomura | JPO; DERWENT | 2003/08/26 11:40 | | | 0 |
| 35 | BR S | 1 | "20020047088" | USPAT; US-PGPUB | 2003/08/26 12:09 | | | 0 |
| 36 | BR S | 6 | ("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn. | USPAT; US-PGPUB | 2003/08/26 12:10 | | | 0 |
| 37 | BR S | 7 | "20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.) | USPAT; US-PGPUB | 2003/08/26 12:10 | | | 0 |
| 38 | BR S | 2 | ("20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.)) and ((substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) and (ferrule\$1 same align\$5) | USPAT; US-PGPUB | 2003/08/26 12:52 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Corr mm en ts | Er ro r De fi ni ti on | Er ro rs |
|----|---------|------|---|--------------------|---------------------|------------------------|---|----------------|
| 39 | BR S | 4 | ("20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.)) and ((substrat\$2 same align\$5 same mark\$4) and ((photoactiv\$5 imag\$4 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same mark\$4) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 imag\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) and (ferrule\$1 same align\$5) | USPAT; US-PGPUB | 2003/08/26 13:16 | | | 0 |
| 40 | BR S | 4 | ((("20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.)) and ((substrat\$2 same align\$5 same mark\$4) and ((photoactiv\$5 imag\$4 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same mark\$4) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 imag\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) and (ferrule\$1 same align\$5)) and (substrat\$2 same ferrule\$1) | USPAT; US-PGPUB | 2003/08/26 15:28 | | | 0 |
| 41 | BR S | 3 | ("6263137" "6217231" "5764836").pn. | USPAT; US-PGPUB | 2003/08/26 13:19 | | | 0 |
| 42 | BR S | 4 | "20020047088" (("6263137" "6217231" "5764836").pn.) | USPAT; US-PGPUB | 2003/08/26 13:19 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Com men ts | Er ro r De fi ni tion | Er ro rs |
|----|---------|------|--|--------------------|---------------------|------------------|---|----------------|
| 43 | BR S | 4 | ("20020047088" (("6263137" "6217231" "5764836").pn.) and (substrat\$2 same ferrule\$1) | USPAT; US-PGPUB | 2003/08/26 15:22 | | | 0 |
| 44 | BR S | 4 | ("20020047088" (("6263137" "6217231" "5764836").pn.) and (align\$6 same ferrule same fiber\$1) | USPAT; US-PGPUB | 2003/08/26 15:26 | | | 0 |
| 45 | BR S | 3 | ("20020047088" (("6263137" "6217231" "5764836").pn.) and (mark\$1 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1)) | USPAT; US-PGPUB | 2003/08/26 15:29 | | | 0 |
| 46 | BR S | 2 | ("20020047088" (("6263137" "6217231" "5764836").pn.) and (align\$6 same ferrule same fiber\$1)) and pin\$1 | USPAT; US-PGPUB | 2003/08/26 14:58 | | | 0 |
| 47 | BR S | 0 | ("5768456" "6130979" "5574814" "6056448" "6203212" "6250820" "5611013" "5499311" "6137929").pn.) and (mark\$4 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1)) | USPAT; US-PGPUB | 2003/08/26 15:07 | | | 0 |
| 48 | BR S | 0 | ((("5768456" "6130979" "5574814" "6056448" "6203212" "6250820" "5611013" "5499311" "6137929").pn.) and (mark\$4 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1))) and (align\$6 same ferrule same fiber\$1) | USPAT; US-PGPUB | 2003/08/26 15:08 | | | 0 |
| 49 | BR S | 1 | ("5768456" "6130979" "5574814" "6056448" "6203212" "6250820" "5611013" "5499311" "6137929").pn.) and (align\$6 same ferrule same fiber\$1) | USPAT; US-PGPUB | 2003/08/26 15:08 | | | 0 |
| 50 | BR S | 9 | ("5768456" "6130979" "5574814" "6056448" "6203212" "6250820" "5611013" "5499311" "6137929").pn. | USPAT; US-PGPUB | 2003/08/26 15:10 | | | 0 |
| 51 | BR S | 5 | ("20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.)) and (mark\$1 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1)) | USPAT; US-PGPUB | 2003/08/26 15:24 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Com men ts | Er ro r De fi ni ti on | Er ro rs |
|----|---------|------|--|--------------------|---------------------|------------------|---|----------------|
| 52 | BR S | 1 | 6130979.pn. | USPAT; US-PGPUB | 2003/08/26 15:21 | | | 0 |
| 53 | BR S | 0 | 6130979.pn. and (substrat\$2 same ferrule\$1) | USPAT; US-PGPUB | 2003/08/26 15:22 | | | 0 |
| 54 | BR S | 4 | ((("20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.)) and (mark\$4 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1))) and (align\$6 same ferrule same fiber\$1) | USPAT; US-PGPUB | 2003/08/26 15:26 | | | 0 |
| 55 | BR S | 6 | ((("20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.)) and (mark\$4 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1))) and (substrat\$2 same ferrule\$1) | USPAT; US-PGPUB | 2003/08/26 15:28 | | | 0 |
| 56 | BR S | 4 | ((("20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.)) and (mark\$4 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1))) and (substrat\$2 same ferrule\$1)) and (mark\$1 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1)) | USPAT; US-PGPUB | 2003/08/26 15:34 | | | 0 |
| 57 | BR S | 1 | 6217231.pn. | USPAT; US-PGPUB | 2003/08/26 15:35 | | | 0 |
| 58 | BR S | 0 | 6217231.pn. and align\$5 same ferrule\$1 same (photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) | USPAT; US-PGPUB | 2004/01/27 17:19 | | | 0 |
| 59 | BR S | 1 | 6217231.pn. and (align\$5 same (ferrule\$1 fiber\$1) same (photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1)) | USPAT; US-PGPUB | 2003/08/26 16:03 | | | 0 |
| 60 | BR S | 1 | 6217231.pn. and (align\$5 same (ferrule\$1 fiber\$1)) | USPAT; US-PGPUB | 2003/08/26 16:11 | | | 0 |
| 61 | BR S | 1 | 6217231.pn. and (mark\$4 near9 (substra\$4 carri\$4)) | USPAT; US-PGPUB | 2003/08/26 17:04 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Corr mm en ts | Er ro r De fi ni ti on | Er ro rs |
|----|---------|------|---|--------------------|---------------------|------------------------|---|----------------|
| 62 | BR S | 1 | 6217231.pn. and (mark\$4 same (substrat\$3 carri\$3) same mark\$4 same (fiber\$1 ferrule\$1)) | USPAT; US-PGPUB | 2003/08/26 17:50 | | | 0 |
| 63 | BR S | 1 | 6217231.pn. and (etch\$4 photolithograph\$4) | USPAT; US-PGPUB | 2003/08/26 18:08 | | | 0 |
| 64 | BR S | 0 | 6217231.pn. and (film\$3 same (transparent\$4 clear ssubstrat\$3)) | USPAT; US-PGPUB | 2003/08/26 18:09 | | | 0 |
| 65 | BR S | 1 | 6217231.pn. and (film\$3 same (transparent\$4 clear substrat\$3)) | USPAT; US-PGPUB | 2003/08/26 18:10 | | | 0 |
| 66 | BR S | 7 | ("20020047088" (("6217231" "6263137" "5764836" "6457877" "6406196" "6112002").pn.)) and (mark\$4 same (substr\$4 carr\$4) same (ferrul\$2 fiber\$1)) | USPAT; US-PGPUB | 2003/08/26 19:22 | | | 0 |
| 67 | BR S | 5 | ("6310995" "5889902" "5090790" "5282080" "5732179").pn. | USPAT; US-PGPUB | 2003/08/27 11:12 | | | 0 |
| 68 | BR S | 4 | ((("6310995" "5889902" "5090790" "5282080" "5732179").pn.) and ((transverse same electric same magnetic same (modal gains)) (te same tm)) | USPAT; US-PGPUB | 2003/08/27 12:55 | | | 0 |
| 69 | BR S | 3 | ((("6310995" "5889902" "5090790" "5282080" "5732179").pn.) and ((transverse same electric same magnetic same (modal gains)) (te same tm))) and (quantum adj1 wells) | USPAT; US-PGPUB | 2003/08/27 11:22 | | | 0 |
| 70 | BR S | 0 | ((("6310995" "5889902" "5090790" "5282080" "5732179").pn.) and ((transverse same electric same magnetic same (modal gains)) (te same tm))) and ((quantum adj1 wells) same compress\$4 same (tens\$3 strain\$3)) | USPAT; US-PGPUB | 2003/08/27 12:54 | | | 0 |
| 71 | BR S | 2 | ("5889902" "6310995").pn. | USPAT; US-PGPUB | 2003/08/27 12:54 | | | 0 |
| 72 | BR S | 0 | ((("5889902" "6310995").pn.) and ((quantum adj1 wells) same compress\$4 same (tens\$3 strain\$3)) | USPAT; US-PGPUB | 2003/08/27 12:55 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|----|---------|------|---|--------------------|---------------------|----------|------------------|--------|
| 73 | BR S | 1 | ((("5889902" "6310995").pn.) and ((quantum adj1 wells) same (compress\$4 tens\$3 strain\$3))) and ((transverse same electric same magnetic same (modal gains)) (te same tm)) | USPAT; US-PGPUB | 2003/08/27 12:56 | | | 0 |
| 74 | BR S | 2 | ((("5889902" "6310995").pn.) and ((quantum adj1 wells) same (compress\$4 tens\$3 strain\$3))) | USPAT; US-PGPUB | 2003/08/27 14:23 | | | 0 |
| 75 | BR S | 5 | ((("6310995" "5889902" "5090790" "5282080" "5732179").pn.) (("5889902" "6310995").pn.) | USPAT; US-PGPUB | 2003/08/27 14:23 | | | 0 |
| 76 | BR S | 5 | ((("6310995" "5889902" "5090790" "5282080" "5732179").pn.) (("5889902" "6310995").pn.)) ((("5889902" "6310995").pn.) and ((quantum adj1 wells) same (compress\$4 tens\$3 strain\$3))) | USPAT; US-PGPUB | 2003/08/27 14:23 | | | 0 |
| 77 | BR S | 0 | ((("6310995" "5889902" "5090790" "5282080" "5732179").pn.) (("5889902" "6310995").pn.)) ((("5889902" "6310995").pn.) and ((quantum adj1 wells) same (compress\$4 tens\$3 strain\$3)))) and circulat\$5 | USPAT; US-PGPUB | 2003/08/27 14:24 | | | 0 |
| 78 | BR S | 1 | 6217231.pn. | USPAT; US-PGPUB | 2004/01/27 17:19 | | | 0 |
| 79 | BR S | 14 | (substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiode\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiode\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | USPAT; US-PGPUB | 2004/04/14 12:12 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|----|---------|------|---|-------------------|------------------|----------|------------------|--------|
| 80 | BR S | 0 | (substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | EPO; JPO; DERWENT | 2004/01/28 13:46 | | | 0 |
| 81 | BR S | 1 | 6217231.pn. | USPAT; US-PGPUB | 2004/04/14 11:48 | | | 0 |
| 82 | BR S | 17 | (substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | USPAT; US-PGPUB | 2004/04/14 12:13 | | | 0 |
| 83 | BR S | 0 | (substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | EPO; JPO; DERWENT | 2004/04/14 12:13 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|----|---------|------------|---|--------------------|---------------------|----------|------------------|--------|
| 84 | BR S | 17 | (substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1) | USPAT; US-PGPUB | 2004/04/14 13:38 | | | 0 |
| 85 | BR S | 0 | '10/722894' | USPAT; US-PGPUB | 2004/04/14 13:39 | | | 0 |
| 86 | BR S | 1 | '09/954130' | USPAT; US-PGPUB | 2004/04/29 10:54 | | | 0 |
| 87 | BR S | 1 | '09/954130' and (carrier\$1 same (apertur\$1 window\$1 hole\$1 opening\$1 align\$5)) and (pin\$1 same (apertur\$1 window\$1 hole\$1 opening\$1 align\$5 ferrul\$2)) and (support\$4 same substrat\$2) | USPAT; US-PGPUB | 2004/04/14 14:20 | | | 0 |
| 88 | BR S | 21233 3 | (carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1) | USPAT; US-PGPUB | 2004/04/14 14:28 | | | 0 |
| 89 | BR S | 31147 4 | (apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5 | USPAT; US-PGPUB | 2004/04/14 14:25 | | | 0 |
| 90 | BR S | 503 | (pin\$1 near7 align\$5) same ferrul\$2 | USPAT; US-PGPUB | 2004/04/14 14:27 | | | 0 |
| 91 | BR S | 332 | (pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1) | USPAT; US-PGPUB | 2004/04/14 14:27 | | | 0 |
| 92 | BR S | 90186 | (support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5 | USPAT; US-PGPUB | 2004/04/14 14:28 | | | 0 |
| 93 | BR S | 14 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) and ((support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5) | USPAT; US-PGPUB | 2004/04/19 18:38 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|-----|---------|-------|--|----------------------|---------------------|----------|------------------|--------|
| 94 | BR S | 0 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) and ((support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5) | EPO; JPO; DERWENT | 2004/04/14 16:05 | | | 0 |
| 95 | BR S | 3 | ("6641310" "6130979" "6085007").pn. | USPAT; US-PGPUB | 2004/04/14 15:25 | | | 0 |
| 96 | BR S | 3 | ((("6641310" "6130979" "6085007").pn.) and silicon | USPAT; US-PGPUB | 2004/04/14 15:25 | | | 0 |
| 97 | BR S | 622 | 385/89.ccls. | USPAT; US-PGPUB | 2004/04/14 16:07 | | | 0 |
| 98 | BR S | 0 | 385/89.ccls. and ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) and ((support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5) | EPO; JPO; DERWENT | 2004/04/14 16:06 | | | 0 |
| 99 | BR S | 0 | 385/89.ccls. and ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) and ((support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1)) | EPO; JPO; DERWENT | 2004/04/14 16:08 | | | 0 |
| 100 | BR S | 29310 | 385/\$.ccls. | USPAT; US-PGPUB | 2004/04/14 16:07 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|-----|---------|------|---|----------------------|---------------------|----------|------------------|--------|
| 101 | BR S | 0 | 385/\$.ccls. and ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) and ((support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1)) | EPO; JPO; DERWENT | 2004/04/14 16:08 | | | 0 |
| 102 | BR S | 0 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1) near7 align\$5) and (pin\$1 same align\$5 same ferrul\$2 same (waveguid\$3 fiber\$1)) and (support\$3 same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5) | EPO; JPO; DERWENT | 2004/04/19 18:37 | | | 0 |
| 103 | BR S | 23 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1) near7 align\$5) and (pin\$1 same align\$5 same ferrul\$2 same (waveguid\$3 fiber\$1)) and (support\$3 same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5) | USPAT; US-PGPUB | 2004/04/28 09:47 | | | 0 |
| 104 | BR S | 14 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) and ((support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5) | USPAT; US-PGPUB | 2004/04/20 13:47 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|-----|---------|------|--|--------------------|---------------------|----------|------------------|--------|
| 105 | BR S | 9 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1) near7 align\$5) and (pin\$1 same align\$5 same ferrul\$2 same (waveguid\$3 fiber\$1)) and (support\$3 same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5)) not ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) and ((support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5)) | USPAT; US-PGPUB | 2004/04/20 10:55 | | | 0 |
| 106 | BR S | 1 | 5917976.pn. and ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) | USPAT; US-PGPUB | 2004/04/20 10:56 | | | 0 |
| 107 | BR S | 1 | 5917976.pn. and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) | USPAT; US-PGPUB | 2004/04/20 12:17 | | | 0 |
| 108 | BR S | 0 | 5917976.pn. and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) | USPAT; US-PGPUB | 2004/04/20 12:19 | | | 0 |
| 109 | BR S | 1 | 5917976.pn. and (pin\$1 same ferrul\$2 same (waveguid\$3 fiber\$1)) | USPAT; US-PGPUB | 2004/04/20 14:32 | | | 0 |
| 110 | BR S | 14 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1 align\$5) near7 align\$5) and ((pin\$1 near7 align\$5) same ferrul\$2 same (waveguid\$3 fiber\$1)) and ((support\$3) same (apertur\$1 window\$1 hole\$1 opening\$1) same align\$5) | USPAT; US-PGPUB | 2004/04/20 13:48 | | | 0 |
| 111 | BR S | 1 | 6641310.pn. | USPAT; US-PGPUB | 2004/04/22 11:06 | | | 0 |
| 112 | BR S | 1 | 6641310.pn. and (pin\$1 same ferrul\$2 same (waveguid\$3 fiber\$1)) | USPAT; US-PGPUB | 2004/04/20 14:51 | | | 0 |
| 113 | BR S | 1 | 6641310.pn. and ((pin\$1 align\$6) same photolithog\$6) | USPAT; US-PGPUB | 2004/04/20 14:57 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Com men ts | Er ro r De fini tion | Er ro rs |
|-----|---------|------|--|--------------------|---------------------|------------------|-------------------------------------|----------------|
| 114 | BR S | 1 | 6641310.pn. and ((pin\$1 align\$6) same subst\$5) | USPAT; US-PGPUB | 2004/04/20 15:26 | | | 0 |
| 115 | BR S | 2 | 5917976.pn. 6641310.pn. | USPAT; US-PGPUB | 2004/04/20 15:26 | | | 0 |
| 116 | BR S | 2 | (5917976.pn. 6641310.pn.) and (film\$3 coat\$4 deposit\$4 layer\$1) | USPAT; US-PGPUB | 2004/04/20 15:38 | | | 0 |
| 117 | BR S | 2 | (5917976.pn. 6641310.pn.) and ((film\$3 coat\$4 deposit\$4 layer\$1 epox\$4 material\$1 compound\$1) same (align\$5 pin\$1 hole\$1 window\$3 orif\$6 oreffi\$6 mark\$4)) | USPAT; US-PGPUB | 2004/04/20 15:41 | | | 0 |
| 118 | BR S | 1 | '09/954130' | USPAT; US-PGPUB | 2004/04/21 11:07 | | | 0 |
| 119 | BR S | 1 | 6453095.pn. | USPAT; US-PGPUB | 2004/04/21 15:16 | | | 0 |
| 120 | BR S | 1 | 6641310.pn. | USPAT; US-PGPUB | 2004/04/21 18:31 | | | 0 |
| 121 | BR S | 1 | 6641310.pn. and ((photo adj1 lithog\$5) photolithogr\$5) | USPAT; US-PGPUB | 2004/04/21 18:33 | | | 0 |
| 122 | BR S | 1 | 6641310.pn. and (silic\$5) | USPAT; US-PGPUB | 2004/04/21 18:48 | | | 0 |
| 123 | BR S | 1 | 5917976.pn. | USPAT; US-PGPUB | 2004/04/21 18:47 | | | 0 |
| 124 | BR S | 1 | 5917976.pn. and (silic\$5) | USPAT; US-PGPUB | 2004/04/21 18:48 | | | 0 |
| 125 | BR S | 1 | 6641310.pn. and (stand\$4 same (deposit\$4 layer\$1 etch\$4)) | USPAT; US-PGPUB | 2004/04/22 14:03 | | | 0 |
| 126 | BR S | 2 | ("6304687" "5940548").pn. | USPAT; US-PGPUB | 2004/04/22 15:31 | | | 0 |
| 127 | BR S | 1 | (5,546,483).pn. | USPAT; US-PGPUB | 2004/04/22 15:27 | | | 0 |
| 128 | BR S | 1 | ((5,546,483).pn.) and ((materil\$1 groov\$4) same (confin\$4 scap\$4 loss\$3 horizont\$4 vertical direction\$1 TM TE)) | USPAT; US-PGPUB | 2004/04/22 15:31 | | | 0 |
| 129 | BR S | 1 | ("6304687").pn. | USPAT; US-PGPUB | 2004/04/22 15:31 | | | 0 |
| 130 | BR S | 1 | ((("6304687").pn.) and ((materil\$1 groov\$4) same (confin\$4 scap\$4 loss\$3 horizont\$4 vertical direction\$1 TM TE)) | USPAT; US-PGPUB | 2004/04/22 15:41 | | | 0 |
| 131 | BR S | 1 | ((("6304687").pn.) and (groov\$4 same (mateial resin loss\$3)) and (confin\$4 scap\$4 horizont\$4 vertical direction\$1) | USPAT; US-PGPUB | 2004/04/22 15:53 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Corr mm en ts | Er ro r De fi ni tion | Er ro rs |
|-----|---------|------|--|--------------------|---------------------|------------------------|---|----------------|
| 132 | BR S | 1 | ((("6304687").pn.) and (groov\$4 same (mateial resin\$1 loss\$3)) and (parall\$4 perpendicular confin\$4 scap\$4 horizont\$4 vertical direction\$1) | USPAT; US-PGPUB | 2004/04/22 15:54 | | | 0 |
| 133 | BR S | 1 | ((("6304687").pn.) and (groov\$4 same (mateial resin\$1 loss\$3)) and (parall\$4 perpendicular\$3 confin\$4 scap\$4 horizont\$4 vertical direction\$1) | USPAT; US-PGPUB | 2004/04/22 15:58 | | | 0 |
| 134 | BR S | 1 | ((("6304687").pn.)) and (groov\$4 same (mateial resin\$1 loss\$3)) and (parall\$4 perpendicular\$3 confin\$4 scap\$4 horizont\$4 vertical direction\$1) | USPAT; US-PGPUB | 2004/04/22 16:12 | | | 0 |
| 135 | BR S | 1 | ((("6304687").pn.)) and (groov\$4 same (material resin\$1 loss\$3)) and (parall\$4 perpendicular\$3 confin\$4 scap\$4 horizont\$4 vertical direction\$1) | USPAT; US-PGPUB | 2004/04/22 19:25 | | | 0 |
| 136 | BR S | 1 | ((("6304687").pn.) | USPAT; US-PGPUB | 2004/04/22 19:25 | | | 0 |
| 137 | BR S | 1 | ((("6304687").pn.)) and ((groov\$4 slot\$1 hole\$1) same (quarz glass gel\$5 material\$1 resin\$1) same (loss\$3 gain\$3 confin\$3 scatter\$4)) | USPAT; US-PGPUB | 2004/04/22 20:34 | | | 0 |
| 138 | BR S | 1 | ((("6304687").pn.)) and ((groov\$4 slot\$1 hole\$1) same (quarz glass gel\$5 material\$1 resin\$1) same (collimat\$6 lens\$2 beam\$1 light path\$1)) | USPAT; US-PGPUB | 2004/04/22 20:35 | | | 0 |
| 139 | BR S | 1 | 6641310.pn. | USPAT; US-PGPUB | 2004/04/27 11:01 | | | 0 |
| 140 | BR S | 1 | '09/954130' | USPAT; US-PGPUB | 2004/04/26 14:34 | | | 0 |
| 141 | BR S | 1 | '09/954130' and ((transp\$5 film) same photolithogr\$5) | USPAT; US-PGPUB | 2004/04/26 16:40 | | | 0 |
| 142 | BR S | 1 | 6641310.pn. and (dioxide sio\$2 nitride sin\$3, polysilicon polyim\$4) | USPAT; US-PGPUB | 2004/04/26 18:17 | | | 0 |
| 143 | BR S | 1 | 385/\$.ccls. and (transp\$5 near5 deposit\$4 near7 photolithogr\$5 near12 substrat\$2) | USPAT; US-PGPUB | 2004/04/26 16:42 | | | 0 |
| 144 | BR S | 65 | transp\$5 near5 deposit\$4 near7 photolithogr\$5 near12 substrat\$2 | USPAT; US-PGPUB | 2004/04/26 16:46 | | | 0 |
| 145 | BR S | 30 | (transp\$5 near5 deposit\$4 near7 photolithogr\$5 near12 substrat\$2) and align\$5 | USPAT; US-PGPUB | 2004/08/24 11:05 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Com men ts | Er ro r De fin iti on | Er ro rs |
|-----|---------|------|---|--------------------|---------------------|------------------|---|----------------|
| 146 | BR S | 3 | ((transp\$5 near5 deposit\$4 near7 photolithogr\$5 near12 substrat\$2) and align\$5) and fiber\$1 | USPAT; US-PGPUB | 2004/04/26 16:43 | | | 0 |
| 147 | BR S | 1 | film near1 transp\$5 near5 deposit\$4 near7 photolithogr\$5 near12 substrat\$2 | USPAT; US-PGPUB | 2004/04/26 16:47 | | | 0 |
| 148 | BR S | 7 | (film\$1 coatin) near2 transp\$5 near5 deposit\$4 near7 photolithogr\$5 near12 substrat\$2 | USPAT; US-PGPUB | 2004/04/26 16:48 | | | 0 |
| 149 | BR S | 1 | 5917976.pn. and (dioxide sio\$2 nitride sin\$1 nitride polysilicon polyim\$4) | USPAT; US-PGPUB | 2004/04/26 18:28 | | | 0 |
| 150 | BR S | 1 | 5917976.pn. | USPAT; US-PGPUB | 2004/04/27 11:01 | | | 0 |
| 151 | BR S | 1 | 6641310.pn. | USPAT; US-PGPUB | 2004/04/27 11:01 | | | 0 |
| 152 | BR S | 2 | 5917976.pn. 6641310.pn. | USPAT; US-PGPUB | 2004/04/28 15:14 | | | 0 |
| 153 | BR S | 0 | (5917976.pn. 6641310.pn.) and (align\$5 same (film\$1 mark\$3)) | USPAT; US-PGPUB | 2004/04/27 11:04 | | | 0 |
| 154 | BR S | 1 | (5917976.pn. 6641310.pn.) and (film\$1 mark\$3) | USPAT; US-PGPUB | 2004/04/27 12:42 | | | 0 |
| 155 | BR S | 1 | (5917976.pn. 6641310.pn.) and (receiv\$3 same si) and (align\$5 mount\$4) | USPAT; US-PGPUB | 2004/04/27 12:53 | | | 0 |
| 156 | BR S | 1 | (5917976.pn. 6641310.pn.) and (receiv\$3 same si) and (align\$5 mount\$4 bump\$3) | USPAT; US-PGPUB | 2004/04/27 15:27 | | | 0 |
| 157 | BR S | 0 | 5917976.pn. and (pin near3 (photo diod\$2 \$5detector \$5detectors)) | USPAT; US-PGPUB | 2004/04/27 15:28 | | | 0 |
| 158 | BR S | 0 | 5917976.pn. and ((sio\$1 film\$3 deposit\$4) same photolithog\$5) | USPAT; US-PGPUB | 2004/04/27 16:37 | | | 0 |
| 159 | BR S | 0 | 5917976.pn. and ((sio\$1 film\$3 deposit\$4) same photolithog\$7) | USPAT; US-PGPUB | 2004/04/27 16:37 | | | 0 |
| 160 | BR S | 0 | 5917976.pn. and ((sio\$1 film\$3 deposit\$4 silicon\$7) same photolithog\$7) | USPAT; US-PGPUB | 2004/04/27 16:38 | | | 0 |
| 161 | BR S | 1 | 5917976.pn. and ((sio\$1 film\$3 deposit\$4 silicon\$7 si) same photolithog\$7) | USPAT; US-PGPUB | 2004/04/27 18:18 | | | 0 |
| 162 | BR S | 1 | 5917976.pn. and ((sio\$1 film\$3 deposit\$4 silicon\$7 si) and photolithog\$7) | USPAT; US-PGPUB | 2004/04/27 18:04 | | | 0 |
| 163 | BR S | 1 | 5917976.pn. and (fiber\$1 same (\$5lens \$5lenses) same (photodetec\$5 detect\$5 '16' '16a' receiv\$4)) | USPAT; US-PGPUB | 2004/04/27 18:07 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|-----|---------|------|--|--------------------|---------------------|----------|------------------|--------|
| 164 | BR S | 1 | 5917976.pn. and (fiber\$1 same (\$5lens \$5lenses) same (photodetec\$5 detect\$5 '16' '16a' receiv\$4) same align\$6) | USPAT; US-PGPUB | 2004/04/27 18:07 | | | 0 |
| 165 | BR S | 20 | 385/\$.ccls. and (film\$3 near9 deposit\$4 near5 (substrate\$1 silicon\$ si) near12 photolithog\$7) | USPAT; US-PGPUB | 2004/04/27 18:24 | | | 0 |
| 166 | BR S | 0 | 385/\$.ccls. and (film\$3 near1 metal\$4 near9 deposit\$4 near7 (substrate\$1 silicon\$ si) near17 photolithog\$17) | USPAT; US-PGPUB | 2004/04/27 18:26 | | | 0 |
| 167 | BR S | 1 | 385/\$.ccls. and (film\$3 near6 metal\$4 near9 deposit\$4 near9 (substrate\$1 silicon\$ si) near17 photolithog\$17) | USPAT; US-PGPUB | 2004/04/28 10:55 | | | 0 |
| 168 | BR S | 77 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1) near7 align\$5) and (pin\$1 same align\$5 same ferrul\$2 same (waveguid\$3 fiber\$1)) | USPAT; US-PGPUB | 2004/04/28 09:47 | | | 0 |
| 169 | BR S | 7 | ((carrier\$1 recepticl\$2 substrat\$2) same (apertur\$1 window\$1 hole\$1 opening\$1)) and ((apertur\$1 window\$1 hole\$1 opening\$1) near7 align\$5) and (pin\$1 same align\$5 same ferrul\$2 same (waveguid\$3 fiber\$1))) and ((PIN near1 photodiode\$1) same VCSEL\$1) | USPAT; US-PGPUB | 2004/04/28 09:48 | | | 0 |
| 170 | BR S | 219 | (film\$3 near6 metal\$4 near9 deposit\$4 near9 (substrate\$1 silicon\$ si) near17 photolithog\$17) | USPAT; US-PGPUB | 2004/04/28 10:56 | | | 0 |
| 171 | BR S | 3 | (film\$3 near6 metal\$4 near9 deposit\$4 near9 (substrate\$1 silicon\$ si) near17 photolithog\$17) same fiber\$1 | USPAT; US-PGPUB | 2004/04/28 10:57 | | | 0 |
| 172 | BR S | 18 | (film\$3 near6 metal\$4 near9 deposit\$4 near9 (substrate\$1 silicon\$ si) near17 photolithog\$17) and fiber\$1 | USPAT; US-PGPUB | 2004/08/24 11:05 | | | 0 |
| 173 | BR S | 1 | 5536466.pn. | USPAT; US-PGPUB | 2004/04/28 11:01 | | | 0 |
| 174 | BR S | 0 | 5536466.pn. and (film\$3 near6 photolithog\$17) | USPAT; US-PGPUB | 2004/04/28 11:02 | | | 0 |
| 175 | BR S | 1 | 5536466.pn. and (photolithog\$17) | USPAT; US-PGPUB | 2004/04/28 11:02 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Com mm en ts | Er ro r De fi ni ti on | Er ro rs |
|-----|---------|------|--|--------------------|---------------------|-----------------------|---|----------------|
| 176 | BR S | 1 | 5917976.pn. and (electr\$5 conduct\$4 wir\$3 power current) | USPAT; US-PGPUB | 2004/04/28 15:17 | | | 0 |
| 177 | BR S | 1 | 5917976.pn. and (elect\$6 conduct\$4 wir\$3 power current circuit\$2) | USPAT; US-PGPUB | 2004/04/28 15:23 | | | 0 |
| 178 | BR S | 1 | 5917976.pn. and (elect\$6 conduct\$4 wir\$3 power current circuit\$2) same (si substrate\$1) | USPAT; US-PGPUB | 2004/04/28 15:43 | | | 0 |
| 179 | BR S | 1 | 5917976.pn. and (elect\$6 conduct\$4 wir\$3 power current circuit\$2 pad\$1 si) | USPAT; US-PGPUB | 2004/04/28 15:44 | | | 0 |
| 180 | BR S | 1 | 5917976.pn. | USPAT; US-PGPUB | 2004/04/29 10:04 | | | 0 |
| 181 | BR S | 1 | 5917976.pn. and (ferrule\$1 same (hole\$1 pin\$1 guid\$2 fiber\$1 waveguide\$1 align\$5 lens\$2 microlen\$3 laser\$1 diod\$2)) | USPAT; US-PGPUB | 2004/04/29 10:23 | | | 0 |
| 182 | BR S | 14 | 385/\$.ccls. and mpo same connect\$4 same alignm\$4 same optic\$4 | USPAT; US-PGPUB | 2004/04/29 10:24 | | | 0 |
| 183 | BR S | 1 | '09/954130' | USPAT; US-PGPUB | 2004/04/29 10:54 | | | 0 |
| 184 | BR S | 1 | '09/954130' and (ferrul\$2 near7 (hole\$1 alignm\$4)) | USPAT; US-PGPUB | 2004/04/29 11:00 | | | 0 |
| 185 | BR S | 1 | 5917976.pn. and (mpo near5 hole\$1) | USPAT; US-PGPUB | 2004/04/29 11:00 | | | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|------|-----|------|--|------------------------|---------------------|
| 1 | BRS | L1 | 1 | 09/751086 | USPAT; US-PGPU B | 2004/08/24 10:39 |
| 2 | BRS | L2 | 21 | (film\$3 near6 metal\$4 near9 deposit\$4 near9 (substrate\$1 silicon\$ si) near17 photolithog\$17) and fiber\$1 | USPAT; US-PGPU B | 2004/08/24 11:05 |
| 3 | BRS | L3 | 38 | (transp\$5 near5 deposit\$4 near7 photolithogr\$5 near12 substrat\$2) and align\$5 | USPAT; US-PGPU B | 2004/08/24 11:06 |
| 4 | BRS | L4 | 22 | ((substrat\$2 same align\$5 same marks) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same align\$5 same marks) and (ferrul\$2 same fiber\$1) and ((photoactiv\$5 photodetect\$4 photodiod\$3 detect\$4 (photo adj1 activ\$5) led leds (light near1 source\$1) photo adj1 (diode\$2 detect\$5) laser\$1) same ferrule\$1)) and (ferrule\$1 same align\$5) | USPAT; US-PGPU B | 2004/08/24 11:06 |

| | Comments | Error Definition | Errors |
|---|----------|------------------|--------|
| 1 | | | 0 |
| 2 | | | 0 |
| 3 | | | 0 |
| 4 | | | 0 |